

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

1 1. (Currently Amended) A method for use in a wireless communications network,
2 comprising:
3 communicating data ~~to~~[[with]] plural mobile stations over a wireless link; and
4 sending a broadcast message to the plural mobile stations, the broadcast message
5 containing an indication for indicating to the plural mobile stations that the mobile stations are to
6 change data rates for transmissions over a reverse wireless link, wherein the broadcast message
7 further includes a particular data rate that is to be used by the plural mobile stations over the
8 reverse wireless link.

1 2. (Original) The method of claim 1, wherein sending the broadcast message
2 comprises sending a grant message on a channel that is monitored by the plural mobile stations.

1 3. (Original) The method of claim 2, wherein sending the grant message on the
2 channel comprises sending the grant message on a forward grant channel according to code-
3 division multiple access (CDMA) 2000.

1 4. (Original) The method of claim 2, wherein sending the grant message comprises
2 sending a grant message containing an identifier, the identifier settable to a first value to
3 uniquely identify one of the plural mobile stations, and the identifier settable to a predetermined
4 value to provide a broadcast indication for indicating to the plural mobile stations that the mobile
5 stations are to change data rates for transmissions over the reverse wireless link.

1 5. (Original) The method of claim 4, wherein the identifier comprises a medium
2 access control (MAC) identifier (MAC ID), the method further comprising:
3 setting the MAC ID of the grant message to the first value to target a first one of
4 the plural mobile stations; and
5 setting the MAC ID of the grant message to the predetermined value to provide
6 the broadcast indication to the plural mobile stations.

1 6. (Original) The method of claim 5, wherein setting the MAC ID to the
2 predetermined value comprises setting the MAC ID to a binary value 00000000.

1 7. (Currently Amended) The method of claim 2, wherein sending the grant message
2 comprises sending a grant message containing a data rate assignment field and an identifier field,
3 wherein the data rate assignment field contains ~~an assigned the particular~~ data rate, ~~for a mobile~~
4 ~~station identified by~~ and the identifier field contains the indication.

1 8. (Currently Amended) The method of claim 7, wherein the channel is a shared
2 channel monitored by each of the plural mobile stations, the method further comprising setting
3 sending another grant message having a value of the identifier field set to uniquely identify one
4 of the mobile stations such that the one mobile station is able to receive an assigned data rate in
5 the data rate assignment field of the another grant message.

1 9. (Cancelled)

10. (Currently Amended) ~~The method of claim 1~~ A method for use in a wireless communications network, comprising:
communicating data to plural mobile stations over a wireless link; and
sending a broadcast message to the plural mobile stations, the broadcast message
containing an indication for indicating to the plural mobile stations that the mobile stations are to
change data rates for transmissions over a reverse wireless link, wherein sending the broadcast
message to the plural mobile stations comprises sending the broadcast message to cause the
plural mobile stations to set respective data rates to a value less than or equal to an autonomous
data rate of each of the corresponding mobile stationstations, wherein the autonomous data rate
is useable by the corresponding mobile station operating in autonomous mode in which the
corresponding mobile station is able to transmit data over the reverse wireless link without being
scheduled.

11. (Cancelled)

12. (Currently Amended) The method of claim 1, wherein sending the broadcast message to the plural mobile stations comprises sending ~~[[a]]~~ the broadcast message containing ~~[[an]]~~ the indication for indicating to the plural mobile stations that the mobile stations are to change data rates for transmissions of packet data over respective reverse packet data channels.

13. (Currently Amended) An article comprising at least one storage medium containing instructions that when executed cause a system in a wireless communications network to:

communicate data ~~to~~ to plural mobile stations over a wireless link; and
send a ~~broadcast-grant~~ message to the plural mobile stations, the ~~broadcast-grant~~ message containing an identifier,

the identifier set to a first value to uniquely identify one of the plural mobile stations, and the identifier set to a predetermined value to provide a broadcast indication for indicating to the plural mobile stations that the mobile stations are to change data rates for transmissions over a reverse wireless link.

14. (Cancelled)

15. (Currently Amended) The article of claim [[14]]13, wherein sending the ~~broadcast grant~~ message comprises sending [[a]]the grant message on a forward grant channel (F-GCH) in a code-division multiple access (CDMA) 2000 wireless communications network.

16. (Cancelled)

17. (Currently Amended) The article of claim 13, wherein sending the ~~broadcast grant~~ message containing the broadcast indication is for indicating to the plural mobile stations that the mobile stations are to change data rates for transmissions of packet data over respective reverse channels.

18. (Currently Amended) The article of claim 13, wherein sending the ~~broadcast grant~~ message containing the broadcast indication is for assigning a particular data rate to each of the plural mobile stations, the particular data rate relating to transmissions of packet data over respective reverse channels.

19. (Currently Amended) The article of claim 13, wherein sending the ~~broadcast grant~~ message containing the broadcast indication is for incrementing or decrementing data rates of the plural mobile stations for transmissions of packet data over respective reverse channels.

20. (Currently Amended) A mobile station comprising:
an interface to receive messages from a base station, the messages comprising a broadcast message targeted to plural mobile stations, wherein the broadcast message contains a data rate assignment field that contains a particular data rate to be used by the plural mobile stations over a reverse wireless link; and
a controller to change a data rate of transmission over [[a]]the reverse wireless link in response to the particular data rate specified by the broadcast message.

1 21. (Currently Amended) ~~The mobile station of claim 20~~ A mobile station comprising:
2 an interface to receive messages from a base station, the messages comprising a
3 broadcast message targeted to plural mobile stations; and
4 a controller to change a data rate of transmission over a reverse wireless link in
5 response to the broadcast message, wherein the broadcast message indicates that the mobile
6 station is to transmit at a data rate that is less than or equal to an autonomous data rate,
7 wherein the controller is ~~adapted~~ to transmit autonomously over the reverse
8 wireless link without scheduling from the base station, the controller to transmit at [[a]] data rate
9 that is less than or equal to the autonomous data rate.

1 22. (Original) The mobile station of claim 21, wherein the interface is adapted to
2 receive another message from the base station that sets the autonomous data rate.

1 23. (Original) The mobile station of claim 20, wherein the controller is adapted to
2 change the data rate of transmission over a reverse packet data channel.

1 24. (Original) The mobile station of claim 23, wherein the reverse packet data
2 channel is a code-division multiple access (CDMA) 2000 reverse packet data channel (R-
3 PDCH).

1 25. (Original) The mobile station of claim 20, wherein the interface is adapted to
2 receive the broadcast message on a forward grant channel, the forward grant channel being a
3 shared channel for monitoring by plural mobile stations.

1 26. (New) A base station comprising:
2 a subsystem to communicate data to plural mobile stations over a wireless link; and
3 a processor to send a broadcast message to the plural mobile stations, the broadcast
4 message containing an indication for indicating to the plural mobile stations that the mobile
5 stations are to change data rates for transmissions over a reverse wireless link, wherein the
6 broadcast message further includes a particular data rate that is to be used by the plural mobile
7 stations over the reverse wireless link.

1 27. (New) The base station of claim 26, wherein the broadcast message is a grant
2 message on a channel that is monitored by the plural mobile stations.

1 28. (New) The base station of claim 27, wherein the grant message contains an
2 identifier, the identifier settable to a first value to uniquely identify one of the plural mobile
3 stations, and the identifier settable to a predetermined value to provide a broadcast indication for
4 indicating to the plural mobile stations that the mobile stations are to change data rates for
5 transmissions over the reverse wireless link.

1 29. (New) The base station of claim 26, wherein the grant message contains a data
2 rate assignment field and an identifier field, wherein the data rate assignment field contains the
3 particular data rate, and the identifier field contains the indication.